

Release notes for ENDF/B Development p-014_Si_028
evaluation



December 2, 2016

- **fizcon** Errors:

1. The mass field (AWI) is incorrectly set.
MAT=1425, MF= 1, MT=451 (1): Bad mass

```
ERROR(S) FOUND IN MAT=1425, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01
```

2. All probability distributions should be normalized to 1, this one isn't.
MAT=1425, MF= 6, MT= 2 (1): Bad norm (a)

```
ERROR(S) FOUND IN MAT=1425, MF= 6, MT= 2
CHECK NORMALIZATION= 1.002029 AT E= 4.8000E+07
```

3. The cross section and an outgoing distribution don't span the same energy region.
MAT=1425, MF= 6, MT= 5 (1): Diff limits (a)

```
ERROR(S) FOUND IN MAT=1425, MF= 6, MT= 5
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 5
```

- **linear** Errors:

1. Negative cross section found
0: Neg. Sig(E)

```
Linearize ENDF/B Cross Sections (LINEAR 2015-1)
-----
```

```
Retrieval Criteria----- MAT
Monitor Mode----- Off
Minimum Cross Section----- 1.0000E-10 (Default Option)
... [42 more lines]
```

- **fudge-4.0** Errors:

1. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: n / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
```

2. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: n / Distribution: / Kalbach-Mann - KalbachMann: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
```

3. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: H1 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
```

4. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: H1 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
5. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: H2 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
6. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: H2 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
7. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: H3 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
8. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: H3 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
9. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: He4 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
10. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: He4 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
11. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C11 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
12. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C11 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

13. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C11 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

14. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C12 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

15. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C12 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

16. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C12 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

17. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C13 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

18. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C13 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

19. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: C13 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

20. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N12 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

21. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N12 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

22. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N12 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

23. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N13 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

24. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N13 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

25. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N13 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

26. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N14 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

27. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N14 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

28. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N14 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

29. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N15 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

30. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N15 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

31. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: N15 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

32. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O14 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

33. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O14 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

34. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O14 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

35. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O15 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

36. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O15 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

37. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O15 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

38. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O16 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

39. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O16 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

40. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: O16 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

41. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F16 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

42. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F16 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

43. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F16 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

44. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F17 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

45. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F17 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

46. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F17 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

47. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F18 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

48. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F18 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

49. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F18 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

50. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F19 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

51. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F19 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

52. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F19 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

53. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F20 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

54. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F20 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

55. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F20 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

56. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F21 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

57. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F21 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

58. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: F21 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

59. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne18 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

60. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne18 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

61. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne18 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

62. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne19 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

63. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne19 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

64. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne19 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

65. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne20 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

66. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne20 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

67. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne20 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

68. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne21 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

69. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne21 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

70. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne21 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

71. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne22 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

72. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne22 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

73. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne22 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

74. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne23 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

75. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne23 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

76. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ne23 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

77. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na20 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

78. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na20 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

79. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na20 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

80. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na21 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

81. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na21 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

82. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na21 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

83. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na22 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

84. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na22 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

85. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na22 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

86. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na23 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

87. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na23 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

88. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na23 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

89. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na24 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

90. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na24 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

91. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na24 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

92. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na25 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

93. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na25 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

94. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Na25 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

95. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg21 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

96. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg21 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

97. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg21 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

98. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg22 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

99. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg22 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

100. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg22 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

101. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg23 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

102. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg23 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

103. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg23 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
104. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg24 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
105. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg24 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
106. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg24 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
107. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg25 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
108. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg25 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
109. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg25 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
110. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg26 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
111. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg26 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

112. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg26 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
113. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al23 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
114. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al23 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
115. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al23 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
116. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al24 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
117. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al24 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
118. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al24 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
119. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al25 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
120. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al25 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

121. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al25 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
122. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al26 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
123. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al26 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
124. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al26 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
125. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al27 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
126. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al27 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
127. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al27 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
128. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si25 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
129. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si25 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

130. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si25 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
131. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si26 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
132. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si26 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
133. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si26 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
134. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si27 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
135. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si27 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
136. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si27 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
137. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si28 / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)
138. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si28 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

139. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si28 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

140. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P27 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

141. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P27 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

142. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P27 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

143. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P28 / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

144. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P28 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

145. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P28 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

146. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: gamma / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

147. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: gamma / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)

148. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: gamma / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1843035.0 -> 150000000.0) vs (2000000.0 -> 150000000.0)